

## SALT LAKE BUSINESS DIRECTORY

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Commercial inquiries answered and information gladly furnished without cost. Address any firm above.

**Testing Child's Musical Ability**  
Musical ability in a child can be well judged by testing five faculties: The sense of pitch, which is the ability to discriminate between higher and lower tones; the sense of time or rhythm; the sense of consonance, which is the ability to tell what is more pleasing and what is less pleasing; the sense of intensity; and musical memory, or the ability to remember a number of tones from hearing them once. Those qualifications are probably in large measure inherited, for very young children sometimes have them.—Youth's Companion.

**Thoughts for the Children**  
To help a child to become unselfish, self-reliant, kind, thoughtful, considerate, honest, and independent; to train to habits of usefulness; to promote purity of thought and life; to have even some small part in awakening loftier purposes and nobler aspirations; to arouse in the minds of boys and girls an honest and sincere hope to be able to make happier the school, the home, the community, the state, the nation, and the world—should be the greatest ambition of every teacher.—R. C. Barrett.

**The Purpose**  
Proportion is almost impossible to human beings. There is no one who does not exaggerate. In conversation, men are encumbered with personality, and talk too much. In modern sculpture, pictures and poetry, the beauty is miscellaneous; the artist works here and there and at all points, adding and adding, instead of unfolding the unit of his thought. Beautiful details we must have, or no artist; but they must be means and never other. The eye must not lose sight for a moment of the purpose.—Emerson.

**Only an Amateur**  
Personally we have to be egotistical, but when it takes a stranger only an hour to tell us his troubles we class him as an amateur in misery.—Galveston News.

**The Start of Divorce**  
The most primitive people held that a husband could repudiate his wife at will. This was gradually modified till separations could be obtained for cause. The hearing of cases came to be a function of the courts.

## Highway Improvement

### SCIENTIFIC ROAD BUILDING

Test Being Made in Illinois to Determine What Pavement Can Be Used on Highways.

(Prepared by the United States Department of Agriculture.)

Some time within the next few months a new road 2½ miles long is to be broken up in what is probably the most extensive study of road service ever undertaken in the United States. The road is located in Illinois, about 12 miles southwest of Springfield, and parallels the Washburn railroad. In the test road there are no curves. The grades vary from zero to four-tenths of 1 per cent, with an average grade of one-tenth of 1 per cent, the maximum, and minimum grades extending over very short distances. The subgrade soil is uniformly a brown silt loam, except for two small stretches where it more nearly approaches gumbo.

There are seven general types of paving in the road, the idea being to have represented the chief materials used in road making, so that engineers may study the effect of known and measured traffic of varying degree upon each kind of road. The seven types are:

Portland cement concrete.

Three and four inch brick constructed monolithic and with a Portland cement concrete base.

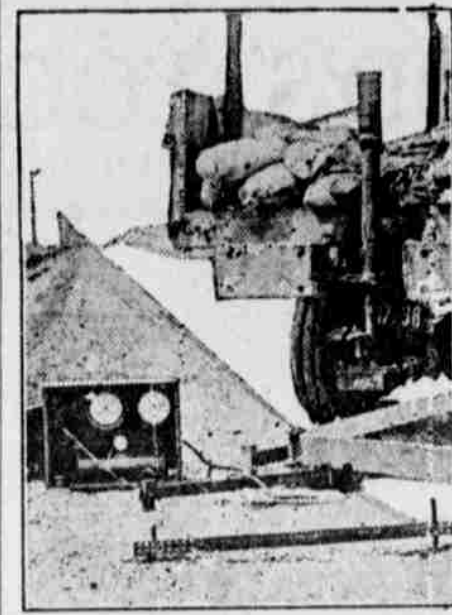
Three and four inch brick constructed semi-monolithic and with a Portland cement concrete base.

Three and four inch bituminous filled brick and lugless brick on Portland cement concrete base.

Three and four inch bituminous filled brick and lugless brick on macadam base.

Asphaltic concrete with and without binder course on macadam base.

The road, known as the Bates experimental road, was constructed by the division of highways, Illinois department of public works and buildings, in co-operation with the bureau of public roads, United States Department of Agriculture. Actual work was



Instrument Set Up for Obtaining Information on Deflection of Pavement, Showing Method of Loading Axes Dial and Apparatus for Recording Pressure Cells.

begun on the road in June, 1920, and it was finished some time ago. Since its completion the state and federal government engineers, by numerous daily observations, have been measuring the effect of heat, cold, moisture, and other elements upon its surface and on the subgrade. These observations have been taken on 63 sections, and much information has been obtained which will be valuable in building roads in the future.

This information is of the utmost value. Knowing the conditions of traffic which are to be met, it will afford a means by which a proper paving can be selected to meet those conditions. It may lead to the saving of millions of dollars each year by preventing the construction of pavements that are found to be incapable of resisting modern traffic.

Why some types of pavement fail and others hold up will be largely determined by the test. Why a road-way cracks also is being studied. At different times each section is observed and all cracks noted. In addition, a considerable number of cracks have been measured by a micrometer.

### PAVE ROADS IN WASHINGTON

Number of Miles to Be Improved Totals 323, at an Expenditure of \$6,630,000.

Road paving and improvement contracts have been let in Washington to the number of 90 since March 10, last, according to James Allen, state highway commissioner. The contracts, including an added 10 per cent for engineering and incidentals, total \$6,630,000. The number of miles included is 323.58.

### Employ Ex-Soldiers on Roads.

Fifty per cent of the men employed on the new highway projects in Minnesota are ex-service men, according to report received by the American Legion employment bureau at Minneapolis.

### Road Rules in France.

Motorists in France have been given more liberal use of the roads by a decree issued by President Millerand. Heretofore barnyard stock had the right of way along country roads.

## POPE'S ILLNESS PROVES FATAL

Illustrious Head of Roman Catholic Church Called From His Labors.

### SHORT TERM IN HIGH OFFICE

Benedict XV Elevated to Papal Throne in 1914—His Career Since Ordination Marked With High Distinction—Was 68 Years Old.

Rome.—The death of Pope Benedict XV is announced. The end came with appalling suddenness, since his holiness was believed to be suffering merely from a severe cold which was expected to yield to treatment.

Cardinal Gasparri, papal secretary of state, made public the fact of the death of the pope.

His holiness had been suffering for some days, having contracted double pneumonia, and treatment began too late.

During the early hours of the morning, toward 4 o'clock, there was a sudden change for the worse and the bronchial affection from which his holiness had been suffering for several days, spread to his lungs.

The pontiff asked for and received the last sacrament, insisting upon this, "if only to give a good example," he said, despite attempts by his attendants to dissuade him.

The pope's physicians were in consultation at the Vatican at an early hour, and the morning bulletin issued afterward indicated an extremely serious condition. Dr. Battistini, however, stated then that while the condition of his holiness was grave, it was not hopeless.

### Pope Given Oxygen.

Soon thereafter, however, the pope's condition became aggravated and the administration of oxygen was begun. The sudden change for the worse in the pontiff's condition seemed to have come as a great surprise, even to those who had been observing him



The Late Pope Benedict XV.

most closely. Last evening he received some strengthening injections and the doctors then stated they were satisfied with his condition, expressing hope that danger of an extension of the inflammation to the lungs had passed and saying the crisis appeared to be overcome.

### Cardinals Wait Word.

Mgr. Zampini, sacristan of the apostolic palace, Mgr. Carlo Respighi, the pontifical prefect of ceremonies, and Mgr. Migone, the private chamberlain, were at the pope's bedside.

There was an air of deep anxiety and apprehension about the Vatican, where many of the cardinals were waiting in an antechamber, all the cardinals in Italy having assembled in Rome upon receiving word of the pope's serious illness. The doctors, after a consultation, did not conceal the gravity of the pontiff's condition, although Professor Marchiafava took a more hopeful view than his colleagues.

### Pope Hears Mass Celebrated.

Mgr. Migone celebrated mass in an apartment adjoining the pope's bedroom. The door to the sick-room remained open so that the pontiff might hear.

Many diplomats visited the Vatican seeking news; all of them were received in the antechamber, none being permitted to disturb the patient.

It is said that the pope contracted his present illness three days before his death, after he had celebrated mass in the Matilde chapel. He received visitors and attended to his usual pontifical duties until a comparatively few hours before he passed away.

Cardinal Giorgi, the apostolic penitentiary, was summoned to Pope Bene-

### HIS SERVICE TO HUMANITY

President of the Catholic Church Extension Society Says Benedict Will Be Long Remembered.

New York.—The Rt. Rev. Mgr. Francis Clement Kelley, president of the Catholic Church Extension society, who has been in audiences with the pope on a number of occasions during the last three years, said:

"History when written will disclose his great services during the war and

dict's bedside at 8 o'clock this morning, says an Exchange Telegraph dispatch from Rome, to London, to recite the prayer for the dying.

Spreads to Right Lung.  
The last official bulletin on the condition of his holiness read:

"His holiness has been four days with influenza bronchitis. It is ascertained that inflammatory process has spread to the right lung.

"The patient passed an agitated night and had no sleep. This morning the dyspnea is intense. The temperature was 104, the pulse 102 and the respiration 58.

"BATTISTINI, "CHERUBINI, "BIGNAMI, "MARCHIAFAVA."

### Takes Turn for Worse.

It was about 4 o'clock in the morning that the change for the worse in the pope's condition occurred. It was especially due to catarrh, which has spread to both lungs, to inability to expectorate and to pulmonary inflammation, it was stated. Professor Cherubini, who had been waiting at the Vatican, was immediately summoned. He found the pope mentally depressed and panting for breath.

Realizing the patient's serious condition, Dr. Cherubini administered sedatives and expectorants, but the beneficial effects expected did not manifest themselves. In view of the gravity of the situation Dr. Cherubini sent an urgent call to Professor Bignami, a Vatican automobile being dispatched to bring him to the Vatican, his arrival there following shortly.

### Consultation Is Held.

Professor Bignami the evening before had remarked upon the absence of a cough, checking expectoration, and consequently was not surprised by the development, it appeared. After a brief inspection of the patient he left to bring Professor Marchiafava, with whom he shortly afterward consulted in the Vatican.

Pope Benedict XV, two hundred and sixtieth in the list of Roman pontiffs, served as pope for about seven years and five months, having been crowned at the Vatican Sept. 6, 1914. His reign was shorter than that of any of the three popes immediately preceding him. Pope Pius X, his immediate predecessor, served 11 years before he died in 1914.

### HAD FILLED HIGH POSITIONS

Pope Benedict Prominent in Church Councils Before His Elevation to the Papal Throne.

Pope Benedict XV rose to the supreme head of the Catholic church Sept. 6, 1914, less than six months after he was elevated to the cardinalship. He was born of noble parents at Pogg' near Genoa, Italy, Nov. 21, 1854. His father was Marquis Della Chiesa.

Educated at Capronian college and the Academy of Ecclesiastics, he was ordained to the priesthood in 1878. He was taken to Madrid, Spain, by Cardinal Rampolla, and for four years was secretary of the nunciature in Spain. In 1901 he was appointed coadjutor of the holy office and in 1907 Pope Pius gave him the appointment of archbishop of the see of Bologna. He was made a cardinal in May, 1914.

### Saddened By Horrors of War.

Pope Benedict was much affected by the horrors and sorrow of the World war and many times tried to bring about peace negotiations. Germany's violation of Belgium's neutrality filled him with great sorrow and after the sinking of the Lusitania, he telegraphed the German emperor telling his abhorrence of the deed.

Pope Benedict's first appeal for peace was issued one week after his coronation. The appeal failed to bring results, as did also his later plan for a Christmas truce. In January and in July, 1915, he again tried to bring about peace negotiations. In March, 1916, he repeated his attempts and in May of the same year suggested that America should act as conciliator between the warring nations. His note to President Wilson to this effect reached Washington when Germany and the United States were involved in a diplomatic crisis. The Vatican approved of President Wilson's peace note in 1917, but three months later the United States entered the war.

### Made Appeal for Peace.

The pope's most memorable appeal for peace was issued in his own handwriting on August 8, 1917, and asked belligerent rulers to end the struggle. During the peace conference his pleas were issued in behalf of weaker nations.

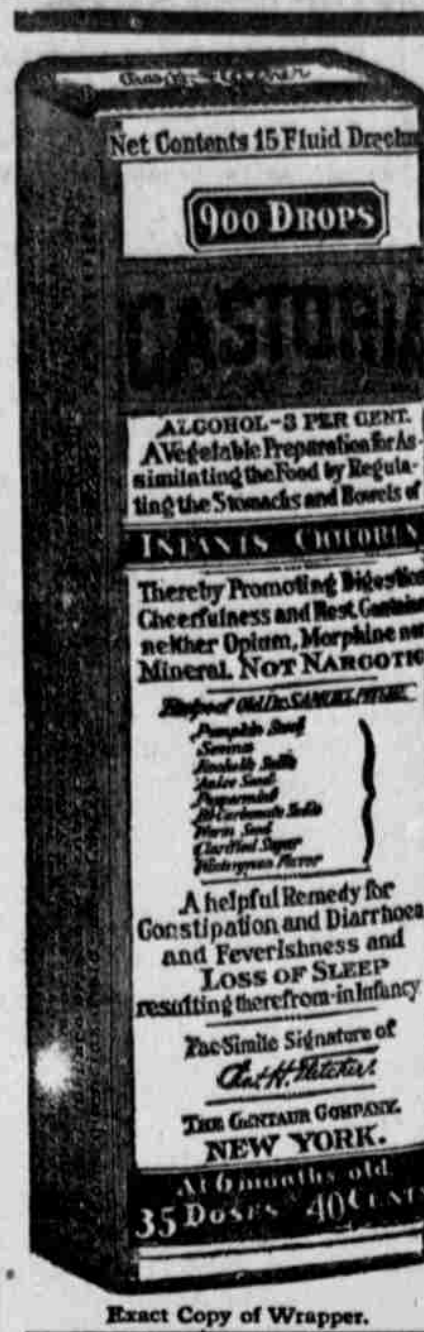
Just before the conference President Wilson had a private conference with Pope Benedict at the Vatican in which many questions of a social and international nature were discussed.

The settlement of the 700-year-old Irish problem was received with great pleasure by the pope, who issued a message congratulating the principals in the negotiations.

### after for peace and relief, and his great work for Christianity and mankind.

His greatest encyclical was that on the missions and his recent letter on that subject showed his intense interest in the work. He championed the having of native clergy in Africa, China, Japan and, in fact, everywhere.

"The starving children of Poland and the people who suffered there he aided by his powerful pleas for them, by financial contributions, by his prayers and in every possible way as a true father."



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Dusuns Have Women Priests. Women priests dominate the Dusuns, a curious tribe of people inhabiting a section of British North Borneo.

Fortunate is the liar who loses his reputation.

Cities With Similar Names. Burgos in Spain, Bourges in France, Bruges in Belgium are noted for magnificent Gothic ecclesiastical edifices erected in the Middle Ages.

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Banishes Skin Eruptions, Puts on Firm Flesh, Strengthens the Nerves and Increases Energy.

If you want to quickly clear your skin and complexion, put some firm, healthy flesh on your bones, increase your nerve force and power and look and feel 100 per cent better, simply try taking two of Mastin's tiny VITAMON tablets with each meal and watch results. Mastin's VITAMON Tablets contain highly concentrated yeast-vitamines as well as the two other still more important vitamins (Fat Soluble A and Water Soluble C) and are now being used by thousands as a tonic restorative and amazing complexion secret. Pimples, boils and skin eruptions seem to vanish like magic, the complexion becomes fresh and beautiful, the cheeks rosy, the lips red, the eyes bright. So rapid and amazing are the results that success is absolutely guaranteed or the trial costs you nothing. The source of a glowing, radiant complexion is from inside. You can't expect external applications to benefit a condition due to internal conditions. Get some vitamins into your system! Be sure to remember the name—Mastin's VITAMON. You can get Mastin's VITAMON Tablets at all good druggists.



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THE ORIGINAL TABLETS  
GENUINE

Are Positively Guaranteed to Put on Firm Flesh, Clear the Skin and Increase Energy When Taken With Every Meal or Money Back

if it isn't MASTIN'S it isn't VITAMON

She Did.  
Mr. Saphend—"Do you ever think of me?" Miss Kutting—"Yes; but I'd hate to tell you what."—Judge.

Bobby's Guess.  
Elsie—"Your grandfather is always out of doors." Bobby—"I guess that's why he says he's an oxygenarian."

How to Tell.  
The way to tell the difference between a Japanese statesman and a wooden image is to watch for the expression on the wooden image's face.

Some men admit that they are self-made, while others put the blame on their wives.



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